

Listing of Claims

1. (Currently Amended) A window type air conditioner comprising:

a case of which one side is positioned at an outdoor side and another side is positioned at an indoor side;

an axial fan mounted in the case, for blowing air in a radius direction thereof;

an outdoor heat exchanger for heat-exchanging outdoor air blown by the axial fan; and

a shroud having the outdoor heat exchanger therein, for guiding the air blown by the axial fan, wherein the shroud includes:

a first surface having a predetermined number of sides greater than four;

a first number of inclination surfaces are formed as triangular planes that extend from respective ones of a first plurality of sides of the first surface at one or more first angles, the first number of planes allowing air to by chamfering four edges of the shroud in order to smoothly flow ~~air~~ when introduced in the radius direction, and

a second number of planes that extend from respective ones of a second plurality of sides of the first surface at one or more second angles, wherein the first number of planes have a same first geometrical shape and the second number of planes have a same second geometrical shape different from the first geometrical shape.

2. (Original) The window type air conditioner of claim 1, wherein the shroud is provided with an orifice for sucking air at a front side thereof, a rear side thereof is opened so that air that has passed through the outdoor heat exchanger can be discharged to an outdoor air discharge port, and an inclination surface is formed at four edges of the shroud.

3. (Currently Amended) The window type air conditioner of claim 1, wherein the shroud includes:

a front surface where an orifice for sucking air is formed, the front surface corresponding to the first surface of the shroud; and

a lateral surface covered by an outer lateral surface of the outdoor heat exchanger; and wherein the first number of planes ~~inclination surfaces~~ are formed at the first plurality of sides ~~four edges~~ where the front surface and the lateral surface contact each other.

4. (Currently Amended) The window type air conditioner of claim 3, wherein the sides ~~edges~~ of the shroud where the front surface and the lateral surface contact each other are formed as curved lines.

5-8 (Canceled)

9. (Currently Amended) The window type air conditioner of claim 1, wherein the first number of planes ~~four edges~~ correspond to respective corners of the shroud.

10. (Currently Amended) The window type air conditioner of claim 9, wherein the first number of planes ~~are shroud further includes four additional surfaces~~ interposed between respective ones of the second number of triangular planes, ~~each of the four additional surfaces having four sides~~.

11. (Currently Amended) The window type air conditioner of claim 10, wherein the first and second numbers of triangular planes ~~and the four additional surfaces~~ form eight corresponding flow paths, and wherein the flow paths corresponding to the first number of triangular planes curve along flow lines that have substantially no right angles.

12. (Currently Amended) The window type air conditioner of claim 10, wherein the first geometrical shape is a triangular shape and the second geometrical shape is each of the additional surfaces has a trapezoidal shape.

13. (Currently Amended) The window type air conditioner of claim 1, wherein the first number of planes are triangular planes which are different from right-angle triangular planes.

14. (Currently Amended) The window type air conditioner of claim 3, wherein the predetermined number of sides of the first front surface ~~has~~ are arranged in an octagonal shape defined by positions of the first number of planes which are triangular planes.

15. (Currently Amended) The window type air conditioner of claim 14, wherein each of the triangular planes has three points and wherein a first point extends towards the lateral surface of the shroud and second and third points extend toward the ~~front~~ first surface of the shroud.

16. (Currently Amended) The window type air conditioner of claim 15, wherein the first point contacts the lateral surface of the shroud and the second and third points contact the ~~front~~ first surface of the shroud.

17. (Currently Amended) The window type air conditioner of claim 1, wherein the first number of planes are triangular planes that are inclined at acute angles relative to lateral surfaces of the shroud.

18. (Currently Amended) The window type air conditioner of claim 1, wherein the first number of planes are triangular planes that are inclined at substantially a same acute angle relative to lateral surfaces of the shroud.

19. (Currently Amended) The window type air conditioner of claim 18, wherein the first number of planes are triangular planes that lie in planes different from ~~a front~~ the first surface or the lateral surfaces of the shroud.

20. (Currently Amended) The window type air conditioner of claim 19, wherein the first number of planes are triangular planes are arranged diagonally relative to the ~~front~~ first and lateral surfaces of the shroud.

21-26 (Canceled)

27. (New) The window type air conditioner of claim 1, wherein the first geometrical shape has a different number of sides than the second geometrical shape.

28. (New) The window type air conditioner of claim 1, wherein the first number of planes and the second number of planes are disposed in an alternating arrangement relative to the first surface of the shroud.

29. (New) The window type air conditioner of claim 28, wherein points of the first number of planes are disposed between respective sides of the second number of planes in said alternating arrangement.

30. (New) The window type air conditioner of claim 1, wherein the first number of planes and the second number of planes join to form a rectangular peripheral edge of the shroud that is spaced from the first surface of the shroud by a predetermined distance.

31. (New) The window type air conditioner of claim 30, wherein the predetermined distance corresponds to a distance between a first edge and an opposing first point of at least one of the first number of planes.

32. (New) The window type air conditioner of claim 30, wherein the predetermined distance corresponds to a distance between a first edge and an opposing second edge of at least one of the second number of planes.

33. (New) The window type air conditioner of claim 1, wherein the one or more first angles are different from the one or more second angles.

34. (New) A shroud of an axial fan, comprising:
a first surface having a predetermined number of sides greater than four;
a first number of planes that extend from respective ones of a first plurality of sides of the first surface at one or more first angles, and
a second number of planes that extend from respective ones of a second plurality of sides of the first surface at one or more second angles, wherein the first number of planes have a same first geometrical shape and the second number of planes have a same second geometrical shape different from the first geometrical shape.

35. (New) The shroud of claim 34, wherein the first geometrical shape has a different number of sides than the second geometrical shape.

36. (New) The shroud of claim 34, wherein the first number of planes and the second number of planes are disposed in an alternating arrangement relative to the first surface of the shroud.

37. (New) The shroud of claim 36, wherein points of the first number of planes are disposed between respective sides of the second number of planes in said alternating arrangement.

38. (New) The shroud of claim 34, wherein the first number of planes and the second number of planes join to form a rectangular peripheral edge of the shroud that is spaced from the first surface of the shroud by a predetermined distance.

39. (New) The shroud of claim 38, wherein the predetermined distance corresponds to a distance between a first edge and an opposing first point of at least one of the first number of planes.

40. (New) The shroud of claim 38, wherein the predetermined distance corresponds to a distance between a first edge and an opposing second edge of at least one of the second number of planes

41. (New) The shroud of claim 34, wherein the one or more first angles are different from the one or more second angles.

42. (New) The shroud of claim 34, wherein the first geometrical shape is a triangular shape.